

IN THE WRITTEN DESCRIPTION OF THE SPECIFICATION

Applicant presents a replacement paragraph below indicating the changes with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. All references below to line numbers only include lines on which text is present.

Please rewrite the sentence beginning on page 8, line 4 to read as follows:

A processor 400 further includes a forming device 440 which receives the state variables of the real/reverse models from the third store 300 and also receives the transition functions of the reverse machine from the fourth store 500 and acts to substitute the state variables of the reverse machine with the transition functions of the reverse machine to provide a new set of states which represent the pre-image of the reverse system thus the post-image of the ~~second~~ real system.